



4-27-05

JPW 1644#
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PTO/SB/21 (09-04)
Approved for use through 07/31/2006. OMB 0651-0031
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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number 09/929,852

Filing Date 08/14/2001

First Named Inventor William H. Hildebrand

Art Unit 1644 (Conf. No. 9815)

Examiner Name F. VanderVegt

Attorney Docket Number 6680.025

ENCLOSURES (Check all that apply)

| | | |
|---|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to TC |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation of POA, Change of Correspondence Address | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Terminal Disclaimer | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
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| | <input type="checkbox"/> Landscape Table on CD | |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | Remarks | |
| <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application | 1. Transmittal (1 page); | |
| <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | 2. Fee Transmittal (1 page); | |
| | 3. Credit Card Payment Form (1 page); | |
| | 4. Third Supplemental Information Disclosure Statement (3 pages); | |
| | 5. Third Supplemental Form PTO-1449 (2 pages); | |
| | 6. Copies of cited material; and | |
| | 7. Return Receipt Postcard. | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | | |
|--------------|--------------------------------|----------|--------|
| Firm Name | DUNLAP, CODDING & ROGERS, P.C. | | |
| Signature | | | |
| Printed name | Douglas J. Sorocco | | |
| Date | 4.26.05 | Reg. No. | 43,145 |

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: *** SENT BY EXPRESS MAIL NO. EV368016523US, DATED 04/26/2005 ***

| | | | |
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| Signature | | | |
| Typed or printed name | Douglas J. Sorocco | Date | 4.26.05 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04)

Approved for use through 07/31/2006. OMB 0651-0032

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Effective on 12/08/2004.

Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

For FY 2005

☒ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)**180.00****Complete if Known**

| | |
|----------------------|-----------------------|
| Application Number | 09/929,852 |
| Filing Date | 08/14/2001 |
| First Named Inventor | William H. Hildebrand |
| Examiner Name | F. VanderVegt |
| Art Unit | 1644 (Conf. No. 9815) |
| Attorney Docket No. | 6680.025 |

METHOD OF PAYMENT (check all that apply)☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☐ Deposit Account Deposit Account Number: _____ Deposit Account Name: _____

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, **except for the filing fee**
☐ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

| Application Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
| | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | |

2. EXCESS CLAIM FEES

| Fee Description | Fee (\$) | Small Entity Fee (\$) |
|---|----------|-----------------------|
| Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent | 50 | 25 |
| Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent | 200 | 100 |
| Multiple dependent claims | 360 | 180 |

| Total Claims | Extra Claims | Fee (\$) | Fee Paid (\$) | Multiple Dependent Claims | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|----------|---------------|---------------------------|----------|---------------|
| - 20 or HP = | x | 0.00 | = | 0.00 | 0 | 0.00 |

HP = highest number of total claims paid for, if greater than 20

| Indep. Claims | Extra Claims | Fee (\$) | Fee Paid (\$) | |
|---------------|--------------|----------|---------------|------|
| - 3 or HP = | x | 0.00 | = | 0.00 |

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|--|--------------------------------|---------------|
| - 100 = | 0 | / 50 = | (round up to a whole number) x | 0.00 |

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: Third Supplemental IDS

| Fees Paid (\$) |
|----------------|
| 0.00 |
| 180.00 |

SUBMITTED BY

| | | | | | |
|-------------------|--------------------|-----------------------------------|--------|-----------|--------------|
| Signature | | Registration No. (Attorney/Agent) | 43,145 | Telephone | 405-607-8600 |
| Name (Print/Type) | Douglas J. Sorocco | | | Date | 4.26.05 |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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EXPRESS MAIL NO.: EV368016523US
Deposited On: April 26, 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 09/929,852

Confirmation No.: 9815

Applicant: William H. Hildebrand

Filed: 08/14/2001

TC/AU: 1644

Examiner: F. VanderVegt

**Title: PRODUCTION OF SOLUBLE HUMAN
CLASS I PROTEINS FROM cDNA**

Docket No.: 6680.025

Customer No.: 30589

**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

**List of Sections Forming Part of This
Information Disclosure Statement**

The following sections are being submitted for this Information Disclosure Statement:

1. [X] Preliminary Statements
2. [X] FORM PTO-1449 (Modified)
3. [X] Copies of Listed Information Items Accompanying this Statement
4. [X] Identification of Person(s) Making this Information Disclosure Statement

Section 1. Preliminary Statements

Applicants submit herewith patents, publications or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

Section 2. Form PTO-1449 (Modified)

☒ A completed Form 1449 (Modified) is attached hereto.

Section 3. Copies of Listed Information Items Accompanying this Statement

Legible copies of all items listed in Form PTO-1449 (Modified) accompany this information disclosure statement.

Section 4. Identification of Person(s) Making this INFORMATION DISCLOSURE STATEMENT

The person making this statement is the attorney who signs below on the basis of the information:

- ☐ supplied by the inventor(s)
- ☐ supplied by an individual associated with the filing and prosecution of this application (37 C.F.R. § 1.56(c)).
- ☒ in the attorney's file

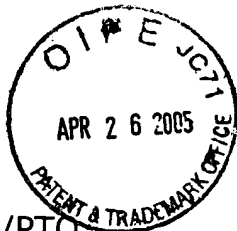
Respectfully submitted,

A handwritten signature in black ink, appearing to read 'D. Sorocco', with a horizontal line drawn underneath it.

Douglas J. Sorocco, Reg. No. 43,145
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Attorney for Applicant

Express Mail: EV368016523US
Date Deposited: April 26, 2005



Page 1 of 2

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Third Supplemental IDS)

(use as many sheets as necessary)

| Complete if Known | |
|------------------------|-----------------------|
| Application Number | 09/929,852 |
| Filing Date | 08/14/2001 |
| First Named Inventor | William H. Hildebrand |
| Group Art Unit | 1644 |
| Examiner Name | F. VanderVegt |
| Attorney Docket Number | 6680.025 |

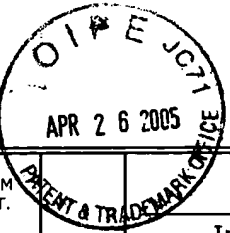
U. S. PATENT DOCUMENTS

| EXAM INIT. | Cite No. 1 | U.S. PATENT NUMBER Number | Kind Code ² (if known) | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM- DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|---------------|---------------|------------------------------|--------------------------------------|--|---|--|
| | AA | 5830995 | | Shoyab et al. | 11/03/1998 | |
| | AB | 6232445 | | Rhode et al. | 05/2001 | |
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FOREIGN PATENT DOCUMENTS

| EXAM INIT. | Cite No. 1 | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
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| | | Office 3 | Number 4 | Kind Code ⁵ (if known) | | | | |
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U.S. and Foreign: ¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). ⁴ Form Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

| EXAM INIT. | | <div style="text-align: center;">  <h2 style="margin: 0;">PATENT DOCUMENTS</h2> <p style="margin: 0;">Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published</p> </div> |
|--|----|--|
| | AA | "GENERIC LIPOSOME REAGENT FOR IMMUNOASSAYS", Plant et al., Analytical Biochemistry, Vol. 176, Issue 2, pages 420-426 (1989). |
| | AB | "DISSOCIATION OF THE PEPTIDE-MHC CLASS I COMPLEX LIMITS THE BINDING RATE OF EXOGENOUS PEPTIDE", Ojcius et al., Journal of Immunology, vol. 151, no. 11, pages 6020-6026 (1993). |
| | AC | "DISSOCIATION OF THE PEPTIDE/MHC CLASS I COMPLEX: pH DEPENDENCE AND EFFECT OF ENDOGENOUS PEPTIDES ON THE ACTIVATION ENERGY, Ojcius et al., Biochemical and Biophysical Research Communications, vol. 197, no. 3, pages 1216-1222 (1993). |
| | AD | "ROLE OF HLA-A MOTIFS IN IDENTIFICATION OF POTENTIAL CTL EPITOPES IN HUMAN PAPILLOMAVIRUS TYPE 16 E6 AND E7 PROTEINS", Kast et al., Journal of Immunology, vol. 152, no. 8, pages 3904-3912 (1994). |
| | AE | "THE ACCESSIBILITY OF PEPTIDES BOUND TO THE MOUSE MHC CLASS II MOLECULE IE-d STUDIED BY FLUORESCENCE", Federation of European Biochemical Societies Letters, vol. 342, no. 3, pages 230-234 (1994). |
| | AF | "A NEW MURINE LYMPHOCYTOTOXIC MONOCLONAL ANTIBODY RECOGNIZING HLA-A2, -A28 AND -A9", Mizuno et al., Tissue Antigens, 48:224-227 (1996). |
| | AG | "THE USE OF MAGNETIC BEADS COATED WITH SOLUBLE HLA CLASS I OR CLASS II PROTEINS IN ANTIBODY SCREENING AND FOR SPECIFICITY DETERMINATION OF DONOR-REACTIVE ANTIBODIES", Sumitran-Karuppan et al., Transplantation, 61(10):1539-1546 (1996). |
| | AH | "ANTIBODY SCREENING BY ENZYME-LINKED IMMUNOSORBENT ASSAY USING POOLED SOLUBLE HLA IN RENAL TRANSPLANT CANDIDATES", Zaer et al., Transplantation, 63(1):48-51 (1997). |
| | AI | "IN VITRO INDUCTION OF SPECIFIC CYTOTOXIC T LYMPHOCYTES USING RECOMBINANT SINGLE-CHAIN MHC CLASS I/PEPTIDE COMPLEXES", Lone et al., Journal of Immunotherapy, 21(4):283-294 (1998). |
| | | |
| Non Patent Documents: ¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached. | | |
| Examiner Signature: | | Date Considered: |
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